Application/Control No. Applicant(s)/Patent under Index of Claims Reexamination 10/010,694 SHI ET AL. Examiner Art Unit 2194 Sue Lao (Through numeral) Rejected Non-Elected **Appeal** Cancelled N Α

Restricted

0

Objected

Interference

|              |                  |              |                 |         |  | J        |          | Ш          |                 |          |          |          |                 |          |          | لــ      | L        | ᆚ.       |  |         |          |          | l          |  |                 |          |          |          |           |          |          |          |
|--------------|------------------|--------------|-----------------|---------|--|----------|----------|------------|-----------------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|--|---------|----------|----------|------------|--|-----------------|----------|----------|----------|-----------|----------|----------|----------|
|              |                  |              |                 |         | D-                                     |          |          |            | $\neg$          |          | Cla      | :        |                 |          |          | _        | -1-      |          |  |         | ٦ .      |          | .:         |  |                 |          |          |          |           |          |          | $\neg$   |
| Cla          | ıım              | Н            | $\overline{}$   | _       | Dat                                    | te<br>T  |          |            | 一               |          | Cla      | ım_      |                 |          |          | 꾸        | ate      |          |  | т-      | ┨        | Cla      | aim        |  |                 |          |          | ate      | _         | $\neg$   | _        | $\dashv$ |
| Final        | Original         | 8/3/05       |                 |         |  |          |          |            |                 | i        | Final    | Original |                 |          |          |          |          |          |  |         |          | Final    | Original   |  |                 |          |          |          |           |          |          |          |
| _            | 1                | Н            | $\vdash$        | ╁       | +                                      | ╁╴       | ╁╌       | Н          | $\dashv$        | ⊢        |          | 51       | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ╅  | ╁       | ┨        | $\vdash$ | 101        | $\dashv$   | $\dashv$        | $\dashv$ | $\vdash$ | $\dashv$ | -         | 十        | 十        | ᅥ        |
|              | -}-              | Н            | +               | +       | ╁                                      | +        | ╁╌       |            | $\dashv$        | ⊢        |          | 52       | ᆉ               | ┪        | ┪        | $\dashv$ | 十        | +        | ╅  | +       | ┪        |          | 102        | ┪  | $\dashv$        | ┪        |          | $\dashv$ | ┪         | +        | 十        | ᅥ        |
|              | 1                | Н            | +               | +       | +                                      | ╁        | 十        |            |                 | F        |          | 53       | _               | _        | _        | 1        | 1        | +        | $\top$   | +-      | 1        |          | 103        | $\neg$   | $\neg$          | 一        |          | ヿ        | ┪         | 十        | 十        | ᅥ        |
|              | 1                |              |                 | T       | 1                                      | 十一       | †        |            | П               |          | 寸        | 54       | $\neg$          | ┪        | ┪        | 7        | 寸        | 十        | $\top$   | $\top$  | 1        |          | 104        | $\neg$   |                 | $\neg$   |          | $\dashv$ | 寸         | 十        | $\top$   | ヿ        |
|              | 3                |              |                 | 十       | 1                                      | T        | Τ        | П          | П               |          |          | 55       | П               |          | 寸        | ヿ        | T        | T        | 1  | T       | 1        |          | 105        |  |                 |          |          |          | $\neg$    | $\top$   | $\top$   | コ        |
|              | e e              |              |                 | Τ       |  |          |          |            |                 |          |          | 56       |                 |          | $\Box$   |          |          |          |  |         | ]        |          | 106        |  |                 |          |          |          |           | $\Box$   | $\Box$   |          |
|              | 7                |              |                 |         |  |          |          |            |                 |          |          | 57       |                 |          |          | $\Box$   | $\Box$   | $\perp$  | $\perp$  | $\perp$ | ]        |          | 107        |  |                 |          |          |          | $\Box$    | $\Box$   | $\Box$   |          |
|              | -8               |              |                 | $\bot$  | $\perp$                                | $\perp$  | _        | Ш          | Ц               | L        | _        | 58       | _               | _        | _        | 4        | 4        | 4        | 4  | ᆚ       | 4        |          | 108        | _  |                 | _        | Ш        |          | _         | $\dashv$ | 4        | Ц        |
|              | 9                | L            | $\perp$         | 4       | 1                                      | ↓_       | _        |            |                 | L        |          | 59       |                 | _        |          | 4        | $\dashv$ | _        | 4  | 4       | 4        | -        | 109        | _  |                 |          | _        | _        | _         | 4        | 4        | 4        |
|              | 10               | L            |                 | 4-      | +                                      | +        | $\vdash$ | $\vdash$   | Щ               | L        |          | 60       | $\dashv$        | -        | 4        | $\dashv$ | $\dashv$ | +        | +  | +       | 4        |          | 110        | $\vdash$   | $\dashv$        | 4        | Ш        | -        | -         | $\dashv$ | $\dashv$ | $\dashv$ |
| Ļ            | 11               | ⊢            | -               | +       | +                                      | -        | ╀        | $\vdash$   | Н               | -        | $\dashv$ | 61<br>62 |                 |          |          | -        | -        | +        | +  | +       | ┨        | $\vdash$ | 111        | _  |                 |          | Н        | $\dashv$ | $\dashv$  | +        | +        | $\dashv$ |
|              | 12<br>13         | -            | $\vdash$        | +       | +                                      | +        | +        | -          | -               | $\vdash$ | $\dashv$ | 63       | $\dashv$        | $\dashv$ | ┥        | -        | $\dashv$ | +        | +  | +       | ┨        | $\vdash$ | 113        | -  | $\vdash$        | ᅱ        | Н        | -        | $\dashv$  | $\dashv$ | +        | $\dashv$ |
| <del></del>  | 14               | Η.           | $\vdash$        | +       | +                                      | +        | +        | $\vdash$   | Н               | $\vdash$ | $\dashv$ | 64       | $\dashv$        | -        | ┥        | ┥        | $\dashv$ | +        | ╫  | +       | ┨        | $\vdash$ | 114        | $\dashv$   | $\vdash \vdash$ | -        | Н        | $\dashv$ | $\dashv$  | +        | +        | $\dashv$ |
| <b></b>      | 15               | H            | $\vdash$        | +       | +                                      | +-       | +-       | $\vdash$   | H               | $\vdash$ | $\dashv$ | 65       | $\dashv$        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +  | $\top$  | 1        |          | 115        |  | $\vdash$        |          | Н        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 16               | $\vdash$     | $\vdash$        | $\top$  | T                                      | T        | †        |            | П               |          | $\dashv$ | 66       | $\dashv$        | $\dashv$ | -        | 1        |          | $\dashv$ | $\top$   | 十       | 1        |          | 116        |  | $\Box$          |          | П        | $\Box$   | $\exists$ | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 17               |              |                 | T       | ┰                                      | T        |          |            | П               |          |          | 67       |                 | ╛        | ╛        | ╛        |          | 丁        |  |         |          |          | 117        |  |                 |          |          |          |           | $\Box$   | $\Box$   |          |
|              | 18               |              |                 | T       |  |          |          |            |                 |          |          | 68       |                 |          |          |          |          |          |  |         | ]        |          | 118        |  |                 |          |          |          |           | $\Box$   | $\Box$   |          |
|              | 19               |              |                 |         |  | $\perp$  | $\Box$   |            |                 |          |          | 69       |                 |          | $\Box$   |          |          |          |  |         |          |          | 119        |  |                 |          |          | Ц        | _         |          |          |          |
|              | <b>2</b> 0       |              | Ш               |         |  | L        | $\perp$  | lacksquare | Ц               | ⊢        |          | 70       |                 | _        | _        | _        | _        | $\perp$  | _  | 4       | _        |          | 120        |  | Ц               |          | Щ        | Ц        | _         | 4        | _        |          |
|              | 21               |              | $\perp$         | 4       | 4                                      | <u> </u> | ┺        |            | Щ               | L        |          | 71       | $\sqcup$        | _        | _        | _        | -        | 4        | 4  | 4       | 4        | ļ        | 121        |  | Ш               |          | Щ        | $\sqcup$ | _         |          |          | _        |
|              | 222              |              | 1               | +       | +                                      | $\perp$  | ╄        | ┡          | Ц               | ⊢        |          | 72       | $\dashv$        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -  |         | 4        | <b>├</b> | 122        |  | $\vdash$        |          | $\vdash$ | $\dashv$ | 4         | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 2β               | _            | $\vdash$        | +       | +                                      | ╂        | 1        | ├_         | Н               | ⊢        | $\dashv$ | 73<br>74 | $\dashv$        |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +  | +       | 4        |          | 123<br>124 |  | Н               |          | Н        |          |           | $\dashv$ | $\dashv$ | ᅱ        |
|              | 2 <b>‡</b><br>25 | =            | ┝╼┼╌            | +       | +                                      | ╀        | ╁        | $\vdash$   | Н               | -        |          | 75       | $\vdash$        | ᅱ        | $\dashv$ | -        |          | $\dashv$ | +  | +       | -        | -        | 125        | _  | Н               |          | H        | $\vdash$ | ┥         | $\dashv$ | $\dashv$ |          |
|              | 26               | F            | ┝               | +-      | +                                      | +        | ╁        | $\vdash$   | Н               | -        |          | 76       | Н               | ᅱ        | -        |          | -+       | $\dashv$ | +  | ╁       | $\dashv$ |          | 126        |  | Н               |          | H        | $\vdash$ | ┪         | $\dashv$ | +        | =        |
| <u> </u>     | 27               | =            | $\vdash$        | ╁       | +-                                     | ╁╴       | +        | ╁╴         | Н               | ⊢        | $\neg$   | 77       | $\vdash$        | 一        | 一        | _        | $\dashv$ | $\dashv$ |  | ╅       | ┪        |          | 127        | _  | Н               | _        | $\vdash$ |          | 一         | $\dashv$ | 十        | _        |
| <del></del>  | 28               | ŧΞ           | $\vdash$        | +       | ╅                                      | ╁        | +-       | T          | Н               | <b> </b> |          | 78       | $\vdash$        | $\dashv$ | ╛        | 7        | 一        | $\dashv$ | +  | $\top$  | 1        |          | 128        |  |                 |          |          |          | $\neg$    | $\neg$   | ╛        | _        |
|              | 29               |              | H               | 1       | $\top$                                 | $\top$   | $\top$   | T          | П               |          |          | 79       | П               | $\neg$   | $\neg$   |          | $\neg$   | $\neg$   | $\top$   | $\top$  | 7        |          | 129        |  | П               |          |          |          |           |          | $\Box$   |          |
|              | 29<br>30         | Π            |                 | 1       | $\top$                                 | 十        | T        |            |                 |          |          | 80       |                 |          |          |          | $\Box$   | $\Box$   | T  | T       | ]        |          | 130        |  |                 |          |          |          |           |          | $\Box$   |          |
|              | 31               |              |                 | Ŀ       | I                                      |          |          |            |                 |          |          | 81       |                 |          |          |          |          |          | $\Box$   | $\perp$ | ]        |          | 131        |  | Ш               |          |          |          |           | $\Box$   | $\Box$   |          |
|              | 32               | $oxed{oxed}$ |                 | $\perp$ |  |          |          |            |                 | L        |          | 82       | Ш               |          | _        | _        | _        | _        | 1  | $\perp$ | 4        | L        | 132        |  | Ш               |          |          |          |           | $\dashv$ | _        |          |
|              | 33               | <u> </u>     | Щ.              | 4       | $\bot$                                 | ╄        | ╄        | <u> </u>   | Ц               | ⊢        |          | 83       | Ш               | _        | _        | _        | _        | 4        | 4  | 4       | 4        | <u> </u> | 133        | <u> </u>   | ,               |          |          | Ш        |           | $\dashv$ | -        |          |
|              | 34               | <u> </u>     | -               | +       | +                                      | +        | 4-       | ⊢          | Щ               | -        |          | 84       | ⊢╢              | _        | _        | 4        | $\dashv$ | $\dashv$ | -  | +       | -        | <u> </u> | 134        | <u> </u>   | $\vdash \vdash$ |          | <u> </u> |          | Н         | $\dashv$ | $\dashv$ |          |
|              | 35               | $\vdash$     | <b>├</b> ─┤-    | +       | +                                      | +        | +        | ╀-         | $\vdash$        | -        |          | 85<br>86 | Н               | $\dashv$ | 4        |          | $\dashv$ | $\dashv$ | $\dashv$   | +       | $\dashv$ | <u> </u> | 135<br>136 | <u> </u>   | $\vdash\vdash$  | _        | H        | $\vdash$ |           |          |          |          |
| <u> </u>     | 36<br>37         | $\vdash$     | ⊢⊢              | - -     | +                                      | +        | ╁        | +          | $\vdash \vdash$ | -        |          | 87       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |          | +        | +  | +       | ┨        | -        | 137        |  | $\vdash$        | _        | $\vdash$ | $\vdash$ | $\vdash$  | $\dashv$ | $\dashv$ | —        |
|              | 14/              | -            | ├─-├-           | ╀       | +                                      | +        | ╁╌       | +          | $\vdash \vdash$ | H        |          | 88       | $\vdash$        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | +  | +       | -        | <u> </u> | 138        | $\vdash$   | $\vdash$        |          |          | -        | $\vdash$  | $\dashv$ | $\dashv$ | _        |
| <del> </del> | 38<br>39         | $\vdash$     | ┝╼┼╴            | +       | +                                      | +        | +        | $\vdash$   | $\vdash \vdash$ | H        |          | 89       | H               | $\dashv$ | $\dashv$ |          | -+       | $\dashv$ | +  | +       | ┪        |          | 139        | H  | Н               |          |          | Н        |           | $\dashv$ | $\dashv$ | _        |
|              | 40               | $\vdash$     | $\vdash$        | +       | +                                      | T        | +        | $\vdash$   | Н               | r        |          | 90       | Н               | $\dashv$ | $\dashv$ | $\dashv$ | 一        | +        | +  | +       | ┪        |          | 140        | <del>                                     </del> | Н               | _        | Г        | H        | Н         | $\dashv$ | _        |          |
|              | 40<br>41         | 1            | - -             | +       | +                                      | T        | +        | 1-         |                 | r        | $\neg$   | 91       | Н               | $\dashv$ |          | 7        | 一        | $\dashv$ | $\dashv$   | $\top$  | 7        |          | 141        | Г  | П               |          | Г        |          |           |          | $\neg$   | _        |
|              | 42               | L            |                 | 丁       | 1                                      | T        | 1        |            |                 |          |          | 92       |                 |          |          |          |          | ゴ        | 丁  |         |          |          | 142        |  |                 |          |          |          |           |          |          |          |
|              | 42<br>43         |              |                 | $\perp$ |  | $\perp$  |          |            |                 |          |          | 93       |                 |          |          |          |          | $\Box$   | $\Box$   | I       |          |          | 143        |  |                 |          |          |          |           | $\Box$   |          |          |
|              | 44               |              |                 | $\perp$ | I                                      |          | L        |            | Ш               |          |          | 94       | Ш               |          |          |          |          |          | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\perp$ | _        |          | 144        | ╙  | LJ              |          | ļ        | Щ        | Ш         | $\perp$  | $\Box$   |          |
|              | 45               |              | Ш               |         | L                                      | 1        | $\perp$  |            | Ш               | L        |          | 95       | Ш               | Ш        | $\Box$   | Ц        | $\Box$   | $\dashv$ | 4  | ┵       | 4        | L        | 145        | Ь  | Ш               |          | $\vdash$ | $\sqcup$ | Ш         | $\dashv$ | _        | _        |
| <u> </u>     | 46               | ┞            | $\sqcup \bot$   | 1       | 4                                      | $\bot$   | $\bot$   | 1          | Щ               | L        |          | 96       | Ш               | Ш        | _        | _        | $\dashv$ | $\dashv$ | +  | 4       | 4        |          | 146        | ┞  | $\vdash$        |          | ļ        | Щ        | Щ         | $\dashv$ | 4        | _        |
| <u> </u>     | 47               | ⊢            | ╀╌┼             | 4       | -                                      | 4        | +        | ╀-         | $\vdash$        | L        |          | 97       | Н               | $\dashv$ | $\dashv$ |          | _        | $\dashv$ | +  | 4       | 4        | -        | 147        | $\vdash$   | $\vdash$        |          | $\vdash$ | Н        | Н         | $\dashv$ | 1        |          |
| <u> </u>     | 48               | ⊢            | $\vdash \vdash$ | +       | +                                      | +-       | -        | ╁          | Н               | -        |          | 98<br>99 | Н               | $\dashv$ | Н        | $\dashv$ |          | $\dashv$ | +  | +       | $\dashv$ | $\vdash$ | 148<br>149 | $\vdash$   | Н               |          | ⊢        | $\vdash$ | $\vdash$  | $\dashv$ | $\dashv$ | _        |
| <u> </u>     | 49<br>50         | ├            | ┝┼              | +       | +                                      | +        | +        | ┼          | $\vdash \vdash$ | H        |          | 100      | Н               | $\vdash$ | -        |          |          | -        | +  | +       | $\dashv$ |          | 150        |  | Н               | $\vdash$ | $\vdash$ | $\vdash$ | Н         | $\dashv$ | $\dashv$ | _        |
| Ц            | 1 30             | <u></u>      |                 | ㅗㅗ      | ــــــــــــــــــــــــــــــــــــــ |          |          |            | لـــا           | L        |          | 100      | ш               |          |          |          |          |          | L  | 丄       | ┙        | L        | 130        |  | لـــا           | _        | Ц_       | لـــا    |           |          |          |          |

Allowed